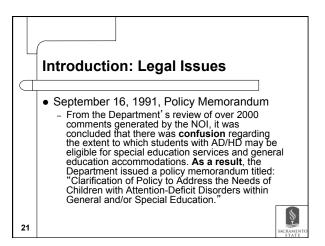
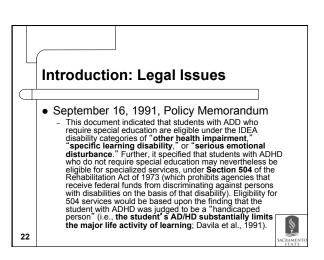


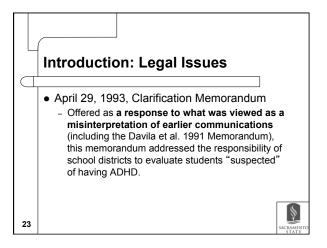


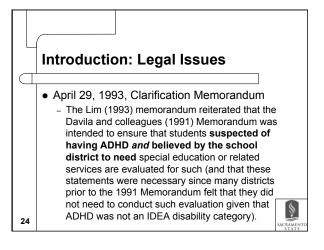
Introduction: Legal Issues • IDEA 1990 - Attempt to make what was then referred to as ADD a disability category under the Individuals with Disabilities Education Act (IDEA) of 1990. - The U.S. DoE opposed this change as it judged that students with ADD who required special education would already meet existing eligibility criteria.

Introduction: Legal Issues • IDEA 1990 - Subsequently, the U.S. Congress made no change to the definitions of "children with disabilities" with respect to AD/HD • Although it did add categories for Traumatic Brain Injury and Autism. - However, Congress did direct the Secretary of Education to issue a Notice of Inquiry (NOI) asking for public comment on special education for students with AD/HD (Davila, Williams, & MacDonald, 1991).









Introduction: Legal Issues

- April 29, 1993, Clarification Memorandum
 - The Lim memorandum, however, also clarified that it was not the intent of prior communications to require school districts to evaluate every student suspected of having ADHD, "based solely on parental suspicion and demand." It concluded that if a school district did not judge that a student required special education or related services, then it may refuse to evaluate the child (and notify the parer ts of their due process rights).

Introduction: Legal Issues October 22, 1997, Notice of Proposed Rule Making Published in the Federal Register (U.S. Department of Education, 1997) this NPRM was designed to elicit public comment on the 1997 reauthorization of IDEA. 26

Introduction: Legal Issues

- October 22, 1997, Notice of Proposed Rule Making
 - Elements related to ADHD offered clarification of the conditions under which a student with ADHD would be eligible for IDEA services. "Note 5" indicated that some students with ADHD will meet the criteria for other health impairments (OHI) if (a) the ADHD is "determined to be a chronic health problem that results in limited alertness that adversely affects educational performance," and (b) "special education and related services are needed." In addition, the note clarifies that the term "limited alertness," a key element of OHI criteria, "includes a child's heightened alertness to environmental stimuli that results in limited alertness with respect to the educational environment" (p. 55070).

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Introduction: Legal Issues

- October 22, 1997, Notice of Proposed Rule Making
 - The NPRM's note 5 further clarifies that some students with "ADHD may be eligible for services under other disability categories in §300.7(b) if they meet the applicable criteria for those disabilities," and "if those children are not eligible under this part, the requirements of section 504 of the Rehabilitation Act of 1973 and its implementing regulations may still be applicable" (U.S. Department of Education, 1997, p. 55031).

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Introduction: Legal Issues

- March 12, 1999, Final Regulations for IDEA 1997
 - The final regulations added ADHD to the list of conditions that may result in special education eligibility [Part B, Definition of "Child with a Disability" - 20 U.S.C. 1401(3)(A); 300.7(c)(9)(I) ADD and ADHD - 300.7(c)(9)(i)]. These regulations also clarified that the phrase "limited strength or vitality or alertness" that defines OHI includes "a child's heightened alertness to environmental stimuli that results in limited alertness with respect to the educational environment," which is characteristic of many students with ADHD (U.S. Department of Education, 1997, p. 55031).

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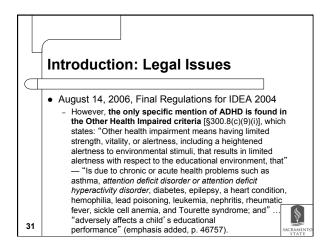


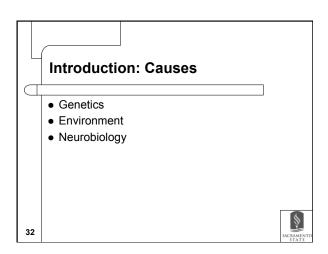
Introduction: Legal Issues

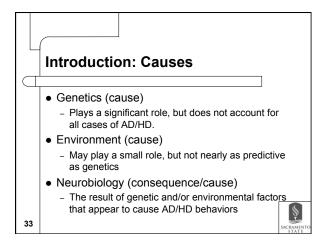
- August 14, 2006, Final Regulations for IDEA 2004
 - Regulations for the most recent reauthorization of IDEA were published in the Federal Register (U.S. Department of Education, 2006). With this reauthorization no substantive changes were made and the student with ADHD as their primary disability continues to potentially qualify for special education under one of three different eligibility categories: Specific Learning Disability, Emotionally Disturbed, and Other Health Impaired

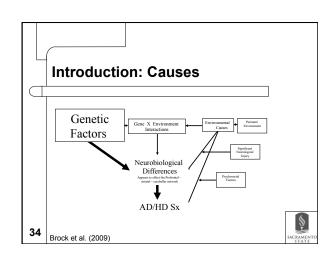
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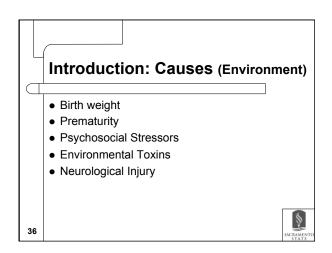
Introduction: Causes (Genetics)

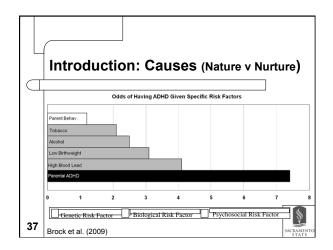
• Twin studies reveal that AD/HD is highly heritable.
• Spencer et al.'s (2002) review suggests a heritability of 0.75.

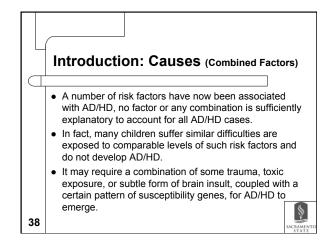
• 0 means there is no genetic input.
• 1 means the disorder is completely determined by genetics.
• In other words, approximately 75% of the etiologic contribution of AD/HD is genetic!

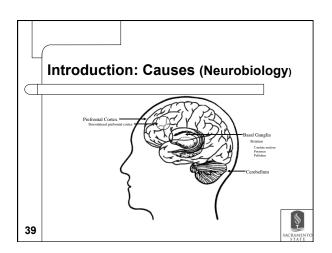
• Nikolas & Burt (2010) obtained similar findings for both AD/HD subtypes

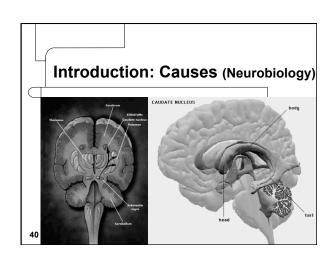
• Thus, a family history of AD/HD is an important variable to consider when diagnosing this disorder.





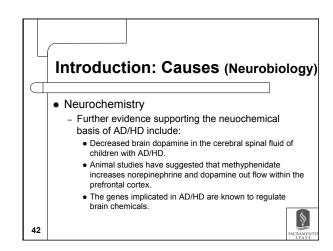


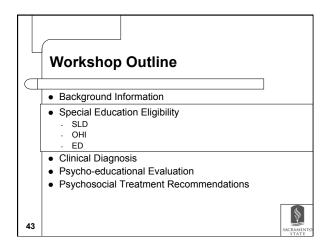


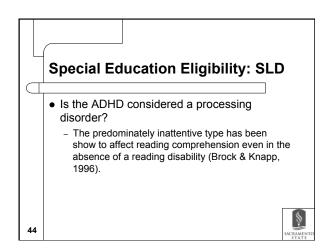


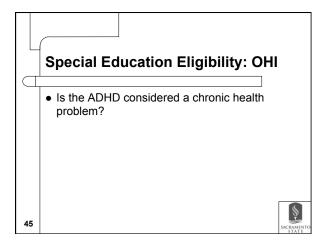
Introduction: Causes (Neurobiology)

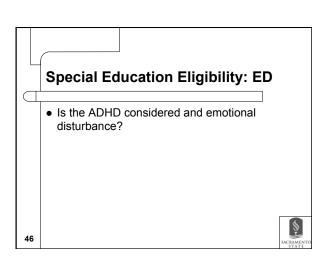
 Neurochemistry
 From the response of children with AD/HD to medications that increase the availability of dopamine and norepinephrine, neurochemical explanations for AD/HD have also been proposed.
 Methylphenidate (Ritalin®), pemoline (Cylert®), and dextroamphetamine (Dexedrine®) increase the release and inhibit the reuptake of dopamine.
 Atomoxetine (Strattera®), is a norepinephrine reuptake inhibitor.

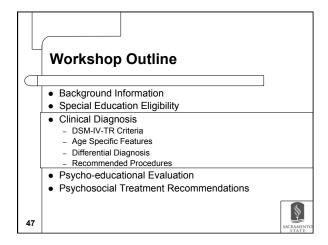


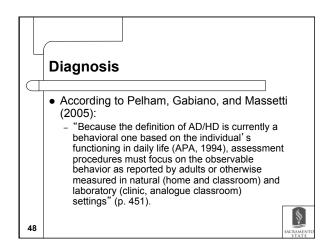


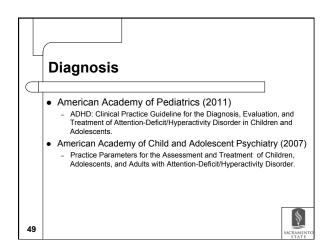


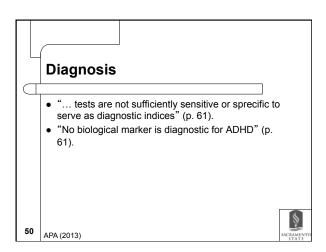


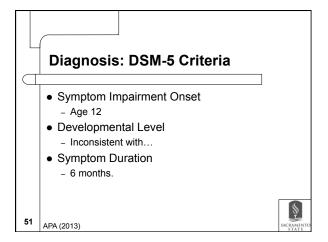


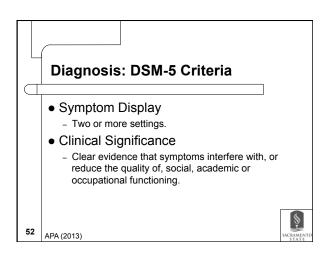


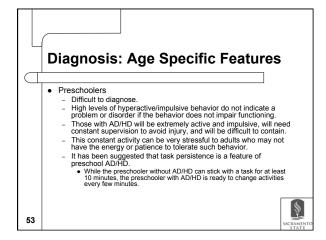


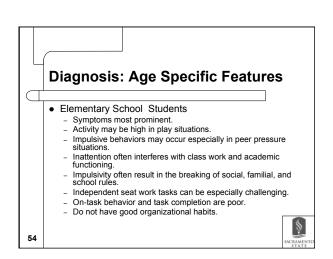


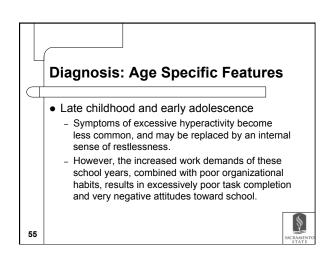


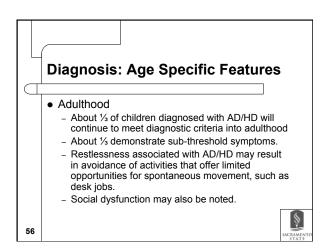


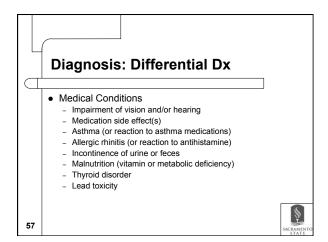


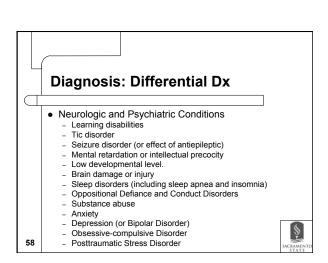


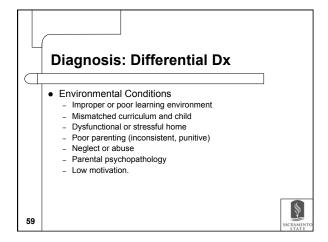


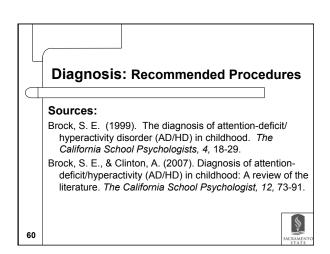


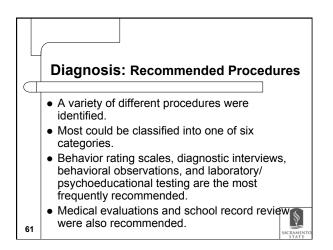


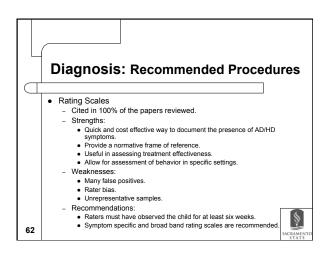


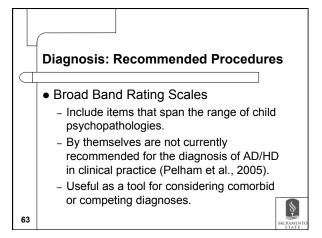


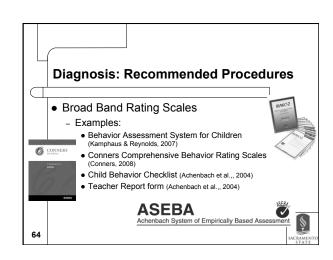


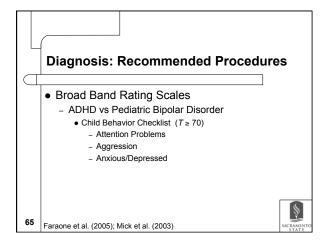


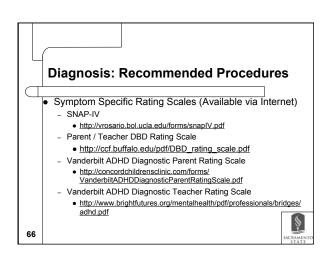


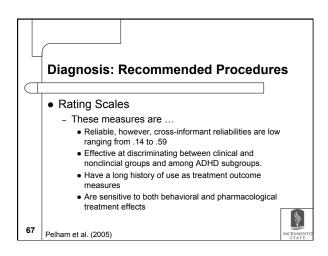


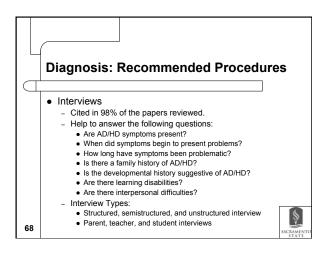


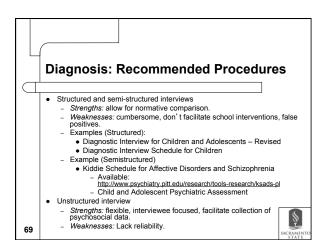


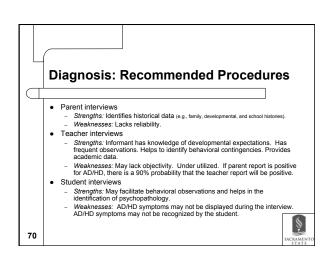


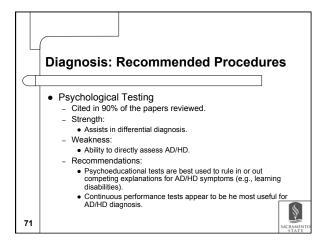


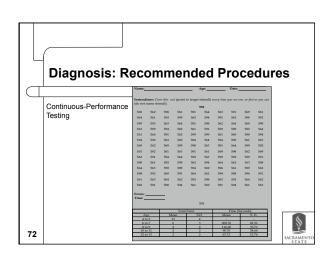


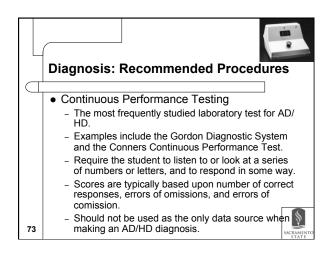


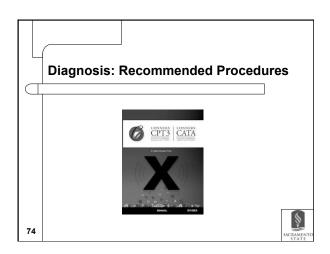


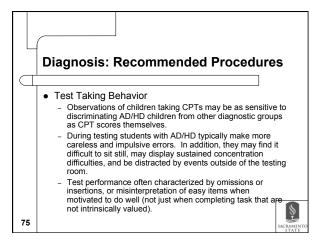


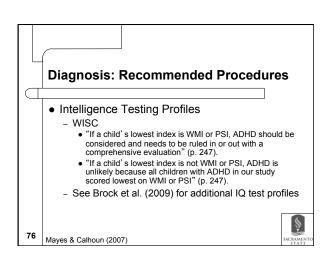


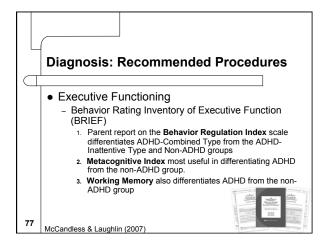


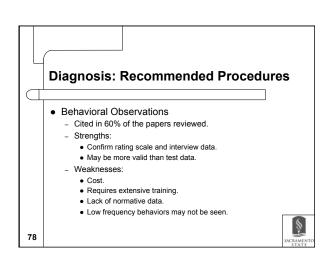


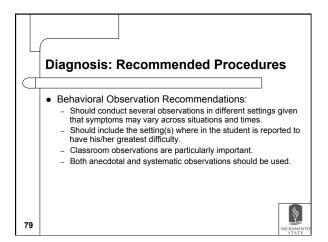


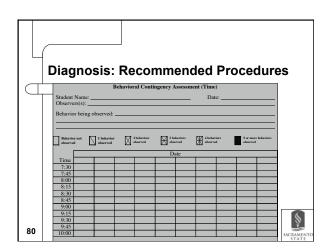


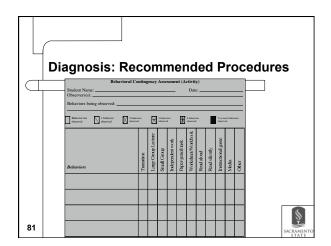


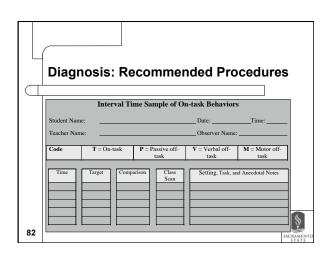


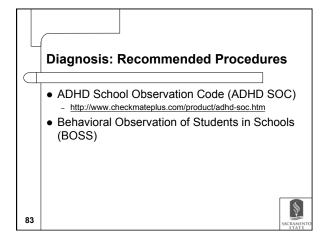


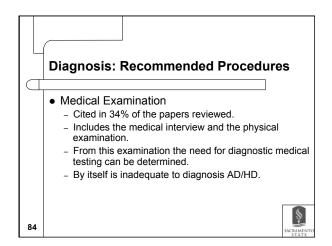


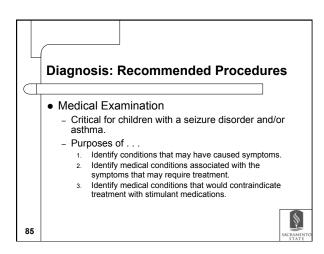


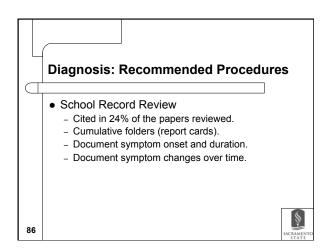


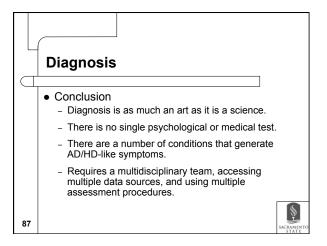


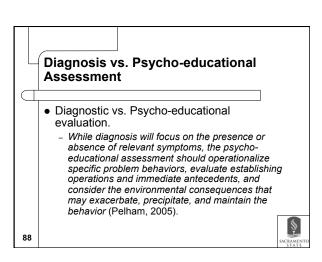


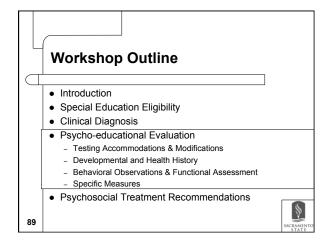


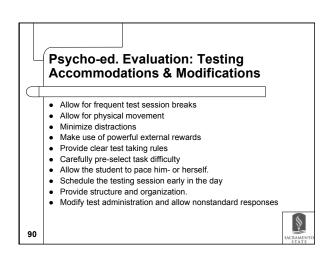


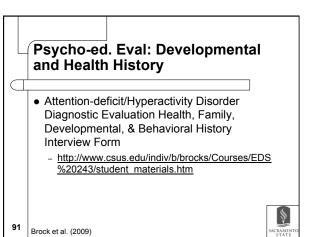












Psycho-ed. Eval: Behavioral Observations & Functional Assessment Students with AD/HD are a very heterogeneous group. Observation of the student with AD/HD in typical environments, such as the classroom, will also facilitate the evaluation of test taking behavior. From such observations judgments regarding how typical the students test taking behaviors were can be made and the validity of the obtained test results assessed. A specific tool for evaluating the test session behavior, suggested to be valid and reliable, is the Guide to the Assessment of Test Session Behavior (Glutting & Oakland, 1993). Parent and teacher interviews will also be important to understanding the student's behavior and are key elements of

a functional behavioral assessment.

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